| Progress<br>Report: 39           | Reporting Period: February                          | Date: March 31, 2006                           |                         |  |  |  |  |
|----------------------------------|---|--|-------------------------|--|--|--|--|
| Site:                            | Diamond Alkali, Operable U<br>Expansion, New Jersey | IAG: DW96941975 IAG Expiration Date: 12/31/07  |                         |  |  |  |  |
| Phase: RI/FS,<br>OU3             | DACW41-02-D-0003<br>Task Order 0011                 | Malcolm Pirnie Project Nu<br>025, and 4553-027 | imbers: 4553-001, 4553- |  |  |  |  |
| USEPA RPMs: A<br>Yeh & Tom Tacco |   | USACE PM: Elizabeth Buckrucker                 | PH: 816-983-3581        |  |  |  |  |
| MPI PM: Len Wai                  | rner PH: 914-641-2972                               | MPI Deputy PM: Scott Thompson                  | PH: 914-641-2628        |  |  |  |  |

| Task                  | Activities in Current Reporting Period   | Next Milestone  | Issues   |
|-----------------------|--|---|--|
| IRM<br>Evaluation     | <ul> <li>Continued development of detailed cost estimates as part of detailed analysis of alternatives.</li> <li>Determined approach and initiated data collection for cap erosion analysis.</li> <li>Coordinated hydraulic modeling of baseline flooding impacts and distribution of river velocities during defined storm events (refer to attached HydroQual progress report).</li> <li>Assembled and prepared analysis of dredge pilot productivity data.</li> <li>Initiated analysis of dredged material management options.</li> <li>Prepared draft silt trap evaluation.</li> </ul> | <ul> <li>IRM Meeting with NJDEP on March 29<sup>th</sup>.</li> <li>Dry run for Remedial Options Workgroup in mid-April 2006.</li> <li>Remedial Options Workgroup on May 17<sup>th</sup>.</li> </ul> | <ul> <li>Coordination with In-situ<br/>Stabilization workgroup for IRM<br/>evaluation purposes will require<br/>additional effort.</li> <li>The number of alternatives<br/>required for detailed analysis (8)<br/>exceeds the number proposed (5).</li> </ul>  |
| Final CIP             | Final CIP preparation effort has been on hold pending USEPA direction/authorization re: Draft CIP comment responses and document revisions. Final document preparation will begin in next reporting period.  | <ul> <li>Receive comments from USEPA on March 23<sup>rd</sup></li> <li>USEPA-MPI call on April 4<sup>th</sup></li> <li>Final CIP delivery in early May 2006</li> </ul>                              | USEPA requested that while incorporating changes as per USEPA and NOAA direction, MPI is to review the document with a "critical eye," making certain that the changes are coherent from both a stylistic view, as well as ensuring that they are consistent with information presented in the rest of the document. |
| Hydrodynamic<br>Model | <ul> <li>Posted Hydrodynamic<br/>Model Calibration Report to<br/>PREmis</li> <li>MPI submitted comments<br/>on Report on March 17<sup>th</sup></li> </ul>  | Respond to agency<br>and stakeholder<br>comments on<br>Hydrodynamic<br>Model Calibration<br>Report.   | Additional budget is required to resume hydrodynamic model development under new USACE contract.   |

| Task  | Activities in Current  | Next Milestone   | Issues   |
|---|--|--|--|
| FSP Volume 2  | <ul> <li>Reporting Period</li> <li>Draft FSP Volume 2 Kick-<br/>off Meeting held on March<br/>8<sup>th</sup>.</li> </ul>   | Draft FSP Volume<br>2 in mid-June 2006   | See discussion on DQO refinement effort under "WOE Assessment" below.  |
| Final Modeling                                      | <ul> <li>Draft FSP Volume 2         preparation effort ongoing.</li> <li>MPI and HQI coordinated</li> </ul>  | Final Modeling Plan  | None.  |
| Plan  | responses to TAC comments and incorporation into Final Modeling Plan.  | on or about March<br>28th  | Notice.  |
| Sediment<br>Transport Model                         | <ul> <li>Modeling activities on hold.</li> <li>Conference call with USGS regarding Dundee Dam Solids Monitoring on March 9<sup>th</sup>.</li> <li>Coordinated revisions to Gust Microcosm report by CBA in accordance with USEPA comments</li> </ul>   | <ul> <li>Post revised         Gust         Microcosm         Report to         PREmis on         March 28th</li> <li>Coordination         Meeting with         Craig Jones on         March 20-21<sup>st</sup>.</li> </ul>   | Development of a scope to incorporate SEDZLJ will allow modeling work to proceed following authorization under new USACE contract.   |
| Field<br>Investigations/<br>Draft Round 1<br>Report | <ul> <li>The East Rutherford Fire Inspector returned to the Field Facility the week of February 27th to verify that corrections had been performed as documented. All violations had been corrected, and the monthly fire safety light test form, prepared by MPI and posted in the lunch room, was reviewed by the inspector.</li> <li>On Monday March 13, 2006 MPI received notification "that this premises (Field Facility) conforms to all applicable regulations of the Uniform Fire Code".</li> <li>Axys PAH data for high res cores provided to subcontract validators in mid-February.</li> <li>Refer to attached table for status of collected environmental samples.</li> </ul> | <ul> <li>First 30 Hi Res sediment samples ship to Axys on March 21<sup>st</sup></li> <li>CLP Hi Res metals data evaluated by April 7<sup>th</sup></li> <li>Next shipment CLP Hi Res sediment samples to Axys April 11<sup>th</sup></li> <li>Draft Round 1 Report on or about July 7, 2006</li> </ul> | <ul> <li>Almost all arsenic and titanium data rejected by USEPA CLP validators in high resolution sediment CLP dataset. CLP contacted to request reanalysis.</li> <li>ICP-AES metals not analyzed by CLP; analysis requested.</li> <li>Pesticide analysis unable to resolve specific target contaminants; reanalysis of extracts via HRGC/HRMS contemplated. Using the current GC/ECD-GC/MS method, Axys is NOT able to quantify both alpha and gamma-HCH, in some cases Aldrin can NOT be quantified and 2,4-DDT and 4,4-DDT have to be calculated using the 4,4-DDE surrogate, since there are interferences in the 13C-4,4-DDT surrogate.</li> <li>Due to the high levels of Dioxins and PCBs present, the sediment samples have been diluted. Axys was given permission to use a HRGC-HRMS instrument they have set aside for high level samples, which has a 5 point rather than a 6 point calibration. This is not an issue because the samples are contaminated above the level of the 6<sup>th</sup> low calibration point.</li> </ul> |

| Task                          | Activities in Current Reporting Period   | Next Milestone   | Issues   |
|-------------------------------|--|--|--|
| Geochemical<br>Evaluation     | <ul> <li>Submitted depositional area map files to demaximis</li> <li>Assisted with prep of Congressional Briefing materials</li> <li>Provide presentation of Geochemical Evaluation Step 2 to agencies on March 3<sup>rd</sup> and responded to questions and comments.</li> <li>Prepared for presentation of Geochemical Evaluation Step 2 at April PDT meeting.</li> </ul> | <ul> <li>Dry Run of presentation on March 28<sup>th</sup></li> <li>Presentation at PDT on April 5th</li> <li>Revised Geochemical Evaluation, as necessary based on agency comments.</li> </ul>         | Additional hardcopy of geochemical presentation submitted to Tom Taccone of USEPA on March 31 <sup>st</sup>  |
| CSM/Problem<br>Formulation    | <ul> <li>MPI reviewed and commented on the technical memos prepared by Battelle.</li> <li>Technical memos posted to PREmis on March 3<sup>rd</sup>.</li> </ul>   | Respond to agency comments on technical memos  | Additional budget and NJDEP data is required to address consumption rate analyses requested by Marion Olsen of USEPA; will be conducted under new USACE contract.                                |
| WOE<br>Assessment             | Activity not yet initiated.  | Scope under discussion.  | Propose to WVN approximately \$20K of funding to allow Battelle to begin FSP Volume 2 DQO development effort while awaiting authorization of ATP 1 under new USACE contract.                     |
| Meetings &<br>Teleconferences | Feb 27 <sup>th</sup> – Sedflume Call March 3 <sup>rd</sup> – Geochem Q&A March 6 <sup>th</sup> – ATP 1 Negotations March 7 <sup>th</sup> – Biweekly Call March 8 <sup>th</sup> – FSP 2 Kick-off Meeting March 9 <sup>th</sup> – Dundee Dam Monitoring Call   | March 20-21 <sup>st</sup> – Sediment Transport Meeting March 23 <sup>rd</sup> – FSP 2 WebEx April 3 <sup>rd</sup> – PM April 4 <sup>th</sup> – FSP 2 DQO call April 5 <sup>th</sup> – PDT              | Not applicable.  |
| PREmis                        | <ul> <li>Conducted initial steps to address USACE comments on digital library reorganization.</li> <li>Completed development of management website reports for sample status based on discussions with USEPA and USACE on March 9th. QC'ed reports on March 13<sup>th</sup>.</li> <li>Updated COI forms for project personnel.</li> </ul>                                    | <ul> <li>Complete QC and move management website reports to production site by March 31<sup>st</sup>.</li> <li>Complete digital library reorganization as requested by USACE (on 4/4/2006).</li> </ul> | Pirnie to respond to USACE comments on digital library structure. By 4/4/2006, folder will include:  o List of personnel and their access rights/updated table.  o List of COI personnel/updated |
| www.ourPassaic.<br>org        | <ul> <li>Posted full notice regarding next PDT meeting on first Wednesday in April 2006.</li> <li>Posted Geochemical Evaluation Step 2 report on a new "Conceptual Site Model" page on March 6<sup>th</sup>.</li> </ul>  | Post additional public documents, such as sediment transport experiment reports and modeling plans, as directed.   | None.  |

## **HydroQual Progress Report for Lower Passaic IRM Evaluation**

## 1. Grid Design:

We have designed the grid of lower Passaic River based on FEMA's 500-year flood zone in the Lower Passaic and Hackensack Rivers. The grid resolution near the Harrison Reach is about 30 m by 150 m and the grid resolution is fine enough to represent navigational channels in the Lower Passaic River. The model has its open boundaries at the Kills; specifically at the mouth of Kill van Kull and Perth Amboy. Please see the attached graphics for the design of the grid to be used for IRM study. The graphics depict the grid depths specified for the Lower Passaic section of the grid.

#### 2. Model Calibrations

Utilizing input data used for the simulation of Lower Passaic River model for 2004 calibration year, the model was calibrated against data collected in September 2004 by Rutgers in the Lower Passaic River. The model results of tidal elevations, current velocities, and surface and bottom temperature salinity were compared with data. The model results show reasonable agreement with data.

## 3. Estimation of Extreme Events: Flood and Storm surge

Historical data observed at the USGS Little Falls gauge were used for statistical analyses for flow distribution. The 100-year and 500-year floods at the Little Falls are estimated as 20,000 and 26,000 cfs, respectively. USGS Trenton, NJ office confirmed these estimates.

Historical tidal observations made at NOAA tidal station at Bergen Point, which is located at the entrance to the Newark Bay, indicate that extreme storm surge in the region as about 1.9 m above mean sea level. 100-year and 500-year storm surge in the Bergen Point is estimated as 1.93 m and 1.97 m, respectively

## 4. Design of Scenarios:

- a. Baseline conditions: using 100 and 500-year flood with corresponding 100 and 500 extreme water elevations
- b. Projection scenario: assuming shore to shore 2 ft capping from River Mile 0 to 7.

### 5. Final Model Inputs Being Prepared

The model inputs are being prepared so as to run the 100- and 500-year flood events.

## Lower Passaic River Restoration Project Subcontractor EV Period Progress Battelle

**Reporting Period:** EV Period 2: February 11, 2005 through March 17, 2006

**Date Submitted:** March 21, 2006 **Submitted By:** Betsy Barrows, Battelle PM

#### Activities, Progress, and Deliverables this Period

#### **TECHNICAL TASKS**

Battelle participated in activities in support of the following subtasks:

- WAD 4, WO 1.4, Project Communications
  - o Battelle staff (Barrows, Gulbransen, Gunster, Richardson) participated in one project team biweekly teleconference on 3/7/06.
  - O Battelle staff (Carl Albro) participated in a teleconference held with the project team and USGS on 3/9/06 to discuss the scope of Dundee Dam monitoring to be accomplished with funding provided by NJDOT-OMR.
- WAD 5, WO 1.5e, Draft FSP Vol. 2, Biota
  - O Battelle staff (Gunster by phone, Gulbransen on site) participated in an FSP 2 kickoff meeting held at MPI's offices in White Plains. Battelle began preparation of internal Task Plan further defining technical approach, interim project milestones, and schedule.
- WAD 5, WO 2.2b, Conceptual Site Model/Problem Formulation
  - o Battelle revised the technical memos following Pirnie's review. This task is now completed; technical memos posted on PREmis.

## **ADMINISTRATIVE ACTIVITIES**

- WAD 4 WO 1.2, Project Support Documentation and Administration
  - o Monthly EV and Progress reports prepared.

#### Technical or Schedule Problems Encountered this Period and Solutions Implemented

• None this period

## **Activities Anticipated Next Period**

#### TECHNICAL TASKS

- WAD 5, WO 1.5e, Draft FSP Vol. 2, Biota
  - O Battelle staff (Gunster, Richardson) to participate in next FSP 2 teleconference on Thursday, 3/24/06.
  - o Copy of Battelle internal Task Plan to be delivered to MPI.
  - Work to continue on FSP 2; Battelle's initial contribution is to focus on input from BERA Workshop.

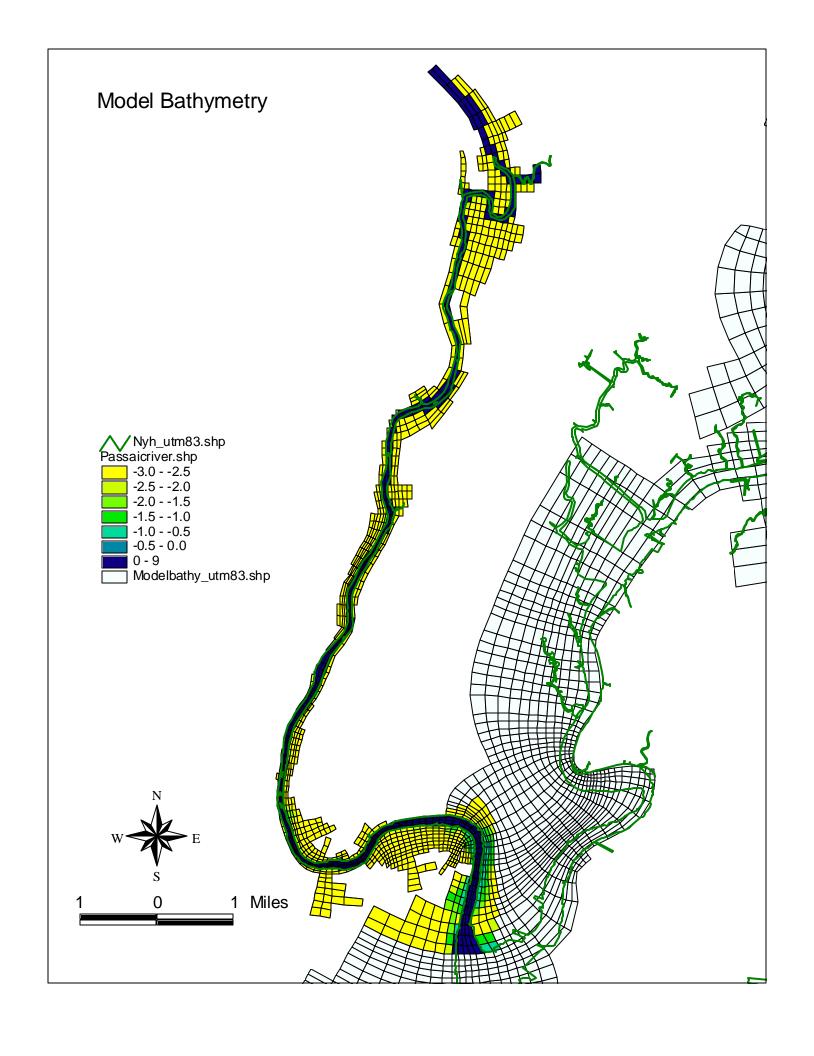
#### ADMINISTRATIVE ACTIVITIES

Battelle anticipates negotiation of new contract to cover work on baseline human health and ecological risk assessment for 2006.

## DRAFT ENVIRONMENTAL SAMPLE STATUS TABLE

|   | LC                         | WER PA              | SSAIC R                          | IVEK KE                                 | STORAL                             | TON PRO                            | OJECT                           |                                      |  |  |
|---|----------------------------|---------------------|----------------------------------|---|------------------------------------|------------------------------------|---------------------------------|--------------------------------------|--|--|
| Program/Analysis  | Laboratory                 | Archived in Freezer | Being Processed by<br>Laboratory | Un-validated Data<br>Partially Received | All Un-validated Data<br>in PREMIS | Paper copy of<br>Un-Validated Data | Paper copy of<br>Validated Data | Validated Data<br>Partially Received | All Validated Data<br>Received in PREMIS | Notes  |
| High Resolution Coring (select cores)   |                            |                     |                                  |   |                                    |                                    |                                 |                                      |  |  |
| Total Organic Carbon (TOC)  | STL                        |                     |                                  |   |                                    |                                    |                                 | $>\!\!<$                             |  |  |
| Grain Size (laser method)   | STL                        | $\sim$              |                                  |   |                                    |                                    |                                 |                                      | -  |  |
| Radiological - Cs-137<br>Radiological - Pb-210  | Outreach Outreach          |                     |                                  |   |                                    |                                    |                                 |                                      |  | Laboratory re-analyzing samples as Po-210    |
| PCB   | Axys                       |                     |                                  |   |                                    |                                    |                                 |                                      |  | 30 samples shipped to laboratory 3/21/06     |
| Dioxin  | Axys                       | $\Longrightarrow$   |                                  |   |                                    |                                    |                                 |                                      |  | 30 samples shipped to laboratory 3/21/06     |
| Pesticide   | Axys                       | >>                  |                                  |   |                                    |                                    |                                 |                                      |  | 30 samples shipped to laboratory 3/21/06     |
| РАН   | Axys                       |                     |                                  |   | > <                                |                                    |                                 |                                      |  |  |
| Metals  | CLP Sentinel               |                     |                                  |   |                                    |                                    | $>\!\!<$                        |                                      |  | Missing Al, Ca, Mg, K, Na, and Fe            |
| X-radiography   | ?                          | $\geq$              |                                  |   |                                    |                                    |                                 |                                      |  |  |
| Low Resolution Coring PCB Aroclor   | CLP A4                     |                     |                                  |   |                                    |                                    |                                 |                                      |  |  |
| SVOC and PAH  | CLP A4                     |                     | $\Longrightarrow$                |   |                                    |                                    |                                 |                                      |  |  |
| Metals (plus cyanide and mercury)   | CLP Sentinel               | 1                   | $\Longrightarrow$                |   |                                    |                                    |                                 |                                      |  |  |
| Herbicide   | STL - VT                   | L                   | >>                               |   |                                    |                                    |                                 |                                      |  |  |
| Immunoassay - 20 samples for correlation  | STL - TN                   |                     | $\geq <$                         |   |                                    |                                    |                                 |                                      |  |  |
| Archived Immunoassay  | STL - TN                   | > <                 |                                  |   |                                    |                                    |                                 |                                      |  |  |
| Radiological - Cs-137   | Outreach                   | 1                   | ļ                                | <b>_</b>                                |                                    | $\geq \leq$                        |                                 |                                      |  |  |
| Dioxin/Furan  | Axys                       |                     |                                  | $\ll$                                   |                                    |                                    |                                 |                                      |  | T 1 4 11 4 20 11 41 1                        |
| Pesticide PCB Congener  | Axys<br>Axys               |                     |                                  | $\Leftrightarrow$                       |                                    |                                    |                                 |                                      |  | Laboratory unable to quantify all pesticides |
| TOC   | STL - VT                   |                     |                                  |   |                                    |                                    |                                 |                                      |  |  |
| ТРН   | STL - VT                   |                     | $\Leftrightarrow$                |   |                                    |                                    |                                 |                                      |  |  |
| Geotechnical - Moisture   | STL - VT                   |                     | >>                               |   |                                    |                                    |                                 |                                      |  |  |
| Geotechnical - Grain Size   | STL - VT                   |                     | >>                               |   |                                    |                                    |                                 |                                      |  | Laboratory waiting for review of seive size  |
| Geotechnical - Specific Gravity   | STL - VT                   |                     | $\geq \leq$                      |   |                                    |                                    |                                 |                                      |  |  |
| Geotechnical - pH   | STL - VT                   |                     | $\approx$                        |   |                                    |                                    |                                 |                                      |  |  |
| VOC   | CLP A4                     |                     | $\sim$                           |   |                                    |                                    |                                 |                                      |  |  |
| Water Column Small Volume (a)   |                            |                     |                                  |   |                                    |                                    |                                 |                                      |  |  |
| Mercury Total  Mercury Filter   | Brooks Rand<br>Brooks Rand |                     |                                  |   |                                    | $\Leftrightarrow$                  |                                 |                                      |  |  |
| Methylmercury Total   | Brooks Rand                |                     |                                  |   |                                    | $ \bigcirc $                       |                                 |                                      |  |  |
| Methylmercury Filter  | Brooks Rand                |                     |                                  |   |                                    | $\Leftrightarrow$                  |                                 |                                      |  |  |
| Particulate Organic Carbon (POC)  | STL - VT                   |                     |                                  |   |                                    | $\Longrightarrow$                  |                                 |                                      |  |  |
| Dissolved Organic Carbon (DOC)  | STL - VT                   |                     |                                  |   |                                    | >>                                 |                                 |                                      |  |  |
| Metals Total  | CLP Sentinel               |                     |                                  |   |                                    |                                    |                                 | $\searrow$                           |  | Missing Al, Ca, Mg, K, Na, and Fe            |
| Metals Filter   | CLP Sentinel               |                     |                                  |   |                                    |                                    |                                 | $\geq \leq$                          |  | Missing Al, Ca, Mg, K, Na, and Fe            |
| Cyanide   | CLP Sentinel               |                     |                                  |   |                                    |                                    |                                 | $\geq \leq$                          |  | Missing Al, Ca, Mg, K, Na, and Fe            |
| Total Suspended Solids (TSS) Biological Oxygen Demand (BOD)                           | STL - VT<br>STL - VT       |                     |                                  |   |                                    | $\Leftrightarrow$                  |                                 |                                      |  |  |
| COD/TKN/Total P   | STL - VT                   |                     |                                  |   |                                    | $ \bigcirc $                       |                                 |                                      |  |  |
| Chlorophyll A   | Westfield                  |                     |                                  |   |                                    | $\Leftrightarrow$                  |                                 |                                      |  |  |
| Ammonia   | STL - VT                   |                     |                                  |   |                                    | $\Longrightarrow$                  |                                 |                                      |  |  |
| VOC   | CLP A4                     |                     | $>\!\!<$                         |   |                                    |                                    |                                 |                                      |  |  |
| SVOC  | CLP A4                     | 1                   | $\geq <$                         |   |                                    |                                    |                                 |                                      |  |  |
| Chlorinated Herbicides  | STL - VT                   |                     |                                  |   |                                    | $\approx$                          |                                 |                                      |  |  |
| Ortho-Phosphate   | STL - VT                   |                     |                                  |   |                                    | $\sim$                             |                                 |                                      |  |  |
| Water Column Large Volume (a,b)   | A                          |                     |                                  |   |                                    |                                    |                                 |                                      |  | Filter size changed during sampling          |
| Pesticides PCR Congapors  | Axys                       | 1                   |                                  |   |                                    | $\bowtie$                          |                                 |                                      |  |  |
| PCB Congeners Dioxin/Furans   | Axys<br>Axys               | 1                   | <del> </del>                     |   |                                    | $\Longrightarrow$                  |                                 |                                      |  |  |
| Water Column High Flow Event  | TAYS                       |                     |                                  |   |                                    | $\overline{}$                      |                                 |                                      |  |  |
| Volatile Suspended Solids   | DESA                       |                     |                                  |   |                                    |                                    | $\overline{}$                   |                                      |  |  |
| Total Suspended Solids (TSS)  | DESA                       |                     |                                  |   |                                    |                                    | > <                             |                                      |  |  |
| Total Organic Carbon (TOC)  | DESA                       |                     |                                  |   |                                    |                                    | $\geq <$                        |                                      |  |  |
| Dissolved Organic Carbon (DOC)  | DESA                       |                     |                                  |   |                                    |                                    | $\geq \leq$                     |                                      |  |  |
| SPMD - Deployment 1   |                            |                     |                                  |   |                                    |                                    |                                 |                                      |  |  |
| Dioxin/Furan  | Axys                       | 1                   |                                  |   | $\iff$                             |                                    |                                 |                                      |  |  |
|   | Axys                       | 1                   | <del> </del>                     |   | $\Leftrightarrow$                  |                                    |                                 |                                      |  |  |
| PCB Congener  | Δννς                       |                     | ī                                | <b>_</b>                                |                                    | <b>-</b>                           |                                 |                                      |  | Laboratory low surrogate recoveries          |
| PCB Congener Pesticides   | Axys<br>Axys               |                     |                                  | $\sim$                                  |                                    |                                    |                                 |                                      |  |  |
| PCB Congener  | Axys<br>Axys               |                     |                                  | $\sim$                                  |                                    |                                    |                                 |                                      |  | Euroratory fow surrogate recoveries          |
| PCB Congener Pesticides PAH  SPMD - Deployment 2 Dioxin/Furan                         |                            |                     | ×                                | <u> </u>                                |                                    |                                    |                                 |                                      |  | Eaboratory fow surrogate recoveries          |
| PCB Congener Pesticides PAH  SPMD - Deployment 2 Dioxin/Furan PCB Congener            | Axys Axys Axys             |                     | $\approx$                        | <u> </u>                                |                                    |                                    |                                 |                                      |  | Eaboratory fow surrogate recoveries          |
| PCB Congener Pesticides PAH  SPMD - Deployment 2 Dioxin/Furan PCB Congener Pesticides | Axys Axys Axys Axys        |                     |                                  |   |                                    |                                    |                                 |                                      |  | Eaboratory fow surrogate recoveries          |
| PCB Congener Pesticides PAH  SPMD - Deployment 2 Dioxin/Furan PCB Congener            | Axys Axys Axys             |                     |                                  |   |                                    |                                    |                                 |                                      |  | Eaboratory fow surrogate recoveries          |

<sup>(</sup>a) PREMIS sample ID issues on small volume and large volume (b) Data not logged in PREMIS



# **BUDGET STATUS AND FORECAST TASK ORDER 0011** LOWER PASSAIC RIVER RESTORATION PROJECT Reporting Period 02/11/2006 through 03/17/2006

|  |   |                                      |   |   |   |   |   |   |   |  |  |   |   |   |                                      |  |   |  |                                     |  |  |   | 3-Month  | n Forecast  |  |  |  |  | Additional - o                                | Additional  |  |
|--|---|--------------------------------------|---|---|---|---|---|---|---|--|--|---|---|---|--------------------------------------|--|---|--|-------------------------------------|--|--|---|--|---|--|--|--|--|---|---|--|
| Task Description   | Negotiated A<br>Budget                                      |                                      | dget (as of WVN 11,<br>02/10/2006)                          | Costs from<br>03/12/05 throug<br>04/15/05     | Costs from<br>04/16/05 through<br>05/13/05    | Costs from<br>05/14/05 through<br>06/17/05            | Costs from<br>06/18/05 through<br>07/15/05    | Costs from<br>07/16/05 throug<br>08/12/05             | Costs from<br>h 08/13/05 throug<br>09/16/05     | Costs from<br>09/17/05 through<br>10/14/05 | Costs from<br>10/15/05 through<br>11/11/05 |   |   | Costs from<br>h 01/14/06 through<br>02/10/06      | Costs from 02/11/06 through 03/17/06 | Sub Costs that have be<br>Invoiced         | en JTD Costs through<br>03/17/06                              | JTD Percent of<br>Authorized Budget<br>Spent |                                     |  | Estimated Cost<br>at Completion                                | 2006 to mid- 200                              | nid-April. mid-May<br>06 to mid-<br>1ay. 2006 200            | June. Cost from   | Total Estimate + Total Spent   | Authorized Budget Forecast to be Spent by mid-June. 2006 | orecast (mid-June.                         | uthorized Funding<br>Less Forecast<br>Amount at mid-<br>June. 2006 | Funding Required by Sept.                     | Month ast (midate to midate to midate to 2006)  Additional Funding Required by mid-Sept. 2006 | Comments   |
| WAD 3 - Remedial Investigation/Feasibility Study Services  |   | Percent                              | Dollars   |   |   |   |   |   |   |  |  |   |   |   |                                      |  |   |  |                                     |  |  |   |  | June. 2   | 000  |  |  |  |   |   |  |
| WO 01 - Project Administration/Reporting WO 01 - Project Administration/Reporting Subtotal WO 02 - Meetings  | \$46,042  | 100%                                 | \$46,042  | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0  | \$0  | \$0   | \$0   | \$0   | \$0                                  | \$10,381                                   | \$46,042  | 100%   | 100%                                | \$0  | \$46,042   | \$0   | \$0 \$0  | \$0   | \$46,042   | 100%   | \$0  | \$0  | \$0   | \$0 \$0   |  |
| WO 02 - Meetings Subtotal WO 03 - Pre-Expansion Activity Plan and Schedule WO 03 - Pre-Expansion Activity Plan and Schedule Subtotal   | \$9,106<br>\$12,920   | 100%                                 | \$9,106<br>\$12,920   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0  | \$0  | \$0   | \$0   | \$0   | \$0                                  | \$9,106                                    | \$9,106<br>\$12,920   | 100%   | 100%                                | \$0  | \$9,106<br>\$12,920  | \$0   | \$0 \$0  | \$0   | \$9,106  | 100%   | \$0  | \$0  | ΨΟ  | \$0 \$0<br>\$0 \$0  |  |
| WO 04 - Populate and QC Database WO 04 - Populate and QC Database Subtotal   | \$63,530  | 100%                                 | \$63,530  | \$0   | \$0   | \$0   | \$0   | \$0   | \$0   | \$0  | \$4,910                                    | \$0   | \$0   | \$0   | \$0                                  | \$42,972                                   | \$62,991  | 99%  | 99%                                 | \$0<br>\$0                                       | \$62,991   | \$0   | \$0 \$0  | ) \$0   | \$62,991   | 99%  | \$0<br>\$0                                 | \$539  | \$0   | \$0 \$0   |  |
| WO 05 - Web Site and GIS System  WO 05 - Web Site and GIS System Subtotal  WO 06 - Establish Technical Expert Team   | \$115,732   | 100%                                 | \$115,732   | \$6,586                                       | \$0   | \$0   | \$0   | \$0   | \$0   | \$0  | \$0  | \$0   | \$0   | \$0   | \$0                                  | \$34,031                                   | \$115,730   | 100%   | 100%                                | \$0  | \$115,731  | \$0   | \$0 \$0  | \$0   | \$115,730  | 100%   | \$0  | \$2  | \$0   | \$0 \$0   |  |
| WO 06 - Establish Technical Expert Team Subtotal WAD 3 - Remedial Investigation/Feasibility Study Services Total   |   | 100%<br>100%                         | \$25,409<br><b>\$272,739</b>                                | \$0<br>\$6,586                                | \$0<br><b>\$0</b>                             | \$0<br><b>\$0</b>                                     | \$0<br><b>\$0</b>                             | \$0<br><b>\$0</b>                                     | \$0<br><b>\$0</b>                               | \$0<br><b>\$0</b>                          | \$0<br><b>\$4,910</b>                      | \$0<br><b>\$0</b>                           | \$0<br><b>\$0</b>                           | \$0<br><b>\$0</b>                                 | \$0<br><b>\$0</b>                    | \$0<br><b>\$96,490</b>                     | \$25,409<br>\$272,198   | 100%<br>100%                                 | 100%<br>100%                        | \$0<br><b>\$0</b>                                | \$25,409<br><b>\$272,199</b>                                   | \$0<br><b>\$0</b>                             | \$0 \$0<br><b>\$0 \$0</b>                                    | , 40  | Ψ25,407  | 100%<br>100%   | \$0<br><b>\$0</b>                          | \$0<br>\$541   | Ψ0  | \$0 \$0<br><b>\$0 \$0</b>   |  |
| WAD 4 - Project Management and Community Relations  WO 01 - Project Management and Administration  |   |                                      |   |   |   |   |   |   |   |  |  |   |   |   |                                      |  |   |  |                                     |  |  |   |  |   |  |  |  |  |   |   |  |
| 1.1a Project Management 1.1a Project Management (2005-06) 1.2a Project Support Documentation and Administration  | \$86,428<br>\$223,525<br>\$79,111                           | 103%<br>123%<br>100%                 | \$89,114<br>\$274,839<br>\$79,111                           | \$0<br>\$19,720<br>\$0                        | \$0<br>\$20,740<br>\$0                        | \$0<br>\$28,769<br>\$0                                | \$0<br>\$17,150<br>\$0                        | \$0<br>\$29,894<br>\$0                                | \$0<br>\$25,671<br>\$0                          | \$26,924                                   | \$20,077                                   | \$18,114                                    | \$8,922                                     | \$15,420  | \$16,690                             | \$7.587                                    | \$89,114<br>\$276,493<br>\$79,111                             | 100%<br>101%<br>100%                         | 100%<br>95%<br>100%                 | \$0<br>\$17,680<br>\$0                           | \$89,114<br>\$294,173<br>\$79,111                              | \$0<br>\$17,680<br>\$0                        | \$0 \$0<br>\$0 \$0<br>\$0 \$0                                | \$0<br>\$17,6<br>\$0<br>\$17,6                              | \$89,114<br>80 \$294,173<br>\$79,111                                   | 100%<br>107%<br>100%                                     | \$0<br>\$0<br>\$0                          | \$0<br>-\$19,334<br>\$0  | \$0<br>\$19,334<br>\$0                        | \$0 \$0<br>\$0 \$0<br>\$0 \$0   | WAD 04 add'l funding estimated from new proposal   |
| 1.2a Project Support Documentation and Administration (2005-06)  1.3a Subcontract Administration Laboratories  1.3b Subcontract Administration Field Sampling Support  | \$120,841<br>\$61,233<br>\$41,359                           | 106%<br>124%<br>213%                 | \$75,632<br>\$88,048  | \$10,918<br>\$4,016                           | \$11,115<br>\$4,935                           | \$9,383<br>\$1,442<br>\$8,711                         | \$0<br>\$7,211                                | \$11,068<br>\$9,605                                   | \$3,375<br>\$12,941                             | \$19,619                                   | \$7,794                                    | \$8,834                                     | \$1,610                                     | \$0   | \$5,011                              | \$20,941<br>\$18,984                       | \$130,324<br>\$75,632<br>\$88,030                             | 102%<br>100%<br>100%                         | 96%<br>100%<br>100%                 | \$5,200<br>\$0<br>\$18                           | \$135,524<br>\$75,632<br>\$88,048                              | \$5,200<br>\$0<br>\$0                         | \$0 \$0<br>\$0 \$0<br>\$0 \$0                                | ) \$0<br>) \$0  | \$75,632<br>\$88,030   | 106%<br>100%<br>100%                                     | \$0<br>\$0<br>\$0                          | -\$7,483<br>\$0<br>\$18  | \$7,483<br>\$0<br>\$0                         | \$0 \$0<br>\$0 \$0<br>\$0 \$0   |  |
| 1.3c Professional Subcontractors  1.3d Radionuclide and POC Laboratories  1.3e Field Sampling Support - Summer/Fall 2004  1.4a Project Communications  WO 01 - Project Management and Administration Subtotal  | \$101,453<br>\$5,639<br>\$4,806<br>\$481,285<br>\$1,205,680 | 131%<br>100%<br>100%<br>112%<br>118% | \$132,662<br>\$5,639<br>\$4,806<br>\$541,285<br>\$1,419,177 | \$3,994<br>\$0<br>\$0<br>\$36,614<br>\$88,149 | \$4,497<br>\$0<br>\$0<br>\$31,502<br>\$83,434 | \$5,204<br>\$5,620<br>\$4,741<br>\$22,980<br>\$86,850 | \$8,841<br>\$0<br>\$0<br>\$27,617<br>\$67,591 | \$3,793<br>\$0<br>\$0<br>\$23,266<br>\$85,051         | \$15,462<br>\$0<br>\$0<br>\$39,066<br>\$106,463 | \$9,532<br>\$35,476<br>\$100,414           | \$8,892<br>\$88,309<br>\$141,666           | \$11,339<br>\$39,618<br>\$87,542            | \$4,306<br>\$18,614<br>\$38,476             | \$2,150<br>\$13,295<br>\$40,198                   | \$1,454<br>\$23,156                  | \$146,517<br>\$194,029                     | \$132,657<br>\$5,620<br>\$4,741<br>\$542,819<br>\$1,424,541   | 100%<br>100%<br>99%<br>100%                  | 98%<br>100%<br>100%<br>96%<br>97%   | \$3,250<br>\$0<br>\$0<br>\$23,600<br>\$49,748    | \$135,907<br>\$5,620<br>\$4,741<br>\$566,419<br>\$1,474,290    | \$3,250<br>\$0<br>\$0<br>\$23,600<br>\$49,730 | \$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0          | ) \$3,25<br>) \$0<br>) \$0<br>) \$0<br>) \$23,6<br>) \$49,7 | \$5,620<br>\$4,741   | 102%<br>100%<br>99%<br>105%<br>104%                      | \$0<br>\$0<br>\$0<br>\$0<br>\$0            | -\$3,245<br>\$19<br>\$65<br>-\$25,134<br>-\$55,094                 | \$3,245<br>\$0<br>\$0<br>\$25,134<br>\$55,197 | \$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0   | Funding needs include prep for April PDT presentation  |
| WO 02 - Community Relations  2.1a Public Meeting Support (graphics/attendance)  2.2c RTC/Final CIP   | \$24,341<br>\$8,628   | 36%<br>100%                          | \$8,679<br>\$8,628  | \$0<br>\$0                                    | \$0<br>\$0                                    | \$0<br>\$0  | \$0<br>\$0                                    | \$0<br>\$0  | \$6,202<br>\$0                                  | \$2,477                                    | \$11                                       |   |   | \$143   |                                      |  | \$8,690<br>\$143  | 100%   | 100%                                | \$0<br>\$8,486                                   | \$8,690<br>\$8,628   | \$0<br>\$4,000                                | \$0 \$0<br>\$4,470 \$0                                       | ) \$0<br>) \$8,4°   | \$8,690<br>0 \$8,613   | 100%<br>100%   | \$0<br>\$0                                 | -\$11<br>\$16  | \$11<br>\$0                                   | \$0 \$0<br>\$0 \$0  | CIP Comments/Direction received from USEPA   |
| WO 02 - Community Relations Subtotal WO 03 - Technical Support 3.1a MPI Technical Support  | \$167,941<br>\$43,096                                       | 60%                                  | 1 - 7 -   | \$7,882                                       | \$11,167                                      | \$14,002<br>\$0                                       | \$10,154                                      | \$9,289   | \$10,152  | \$7,060                                    | \$1,031                                    | \$3,197                                     | \$0   | \$143   | \$0                                  | \$0  | \$91,918  | 92%  | 92%                                 | \$8,485  | \$100,403<br>\$35,082  | . ,   | . ,  | . ,   | - 1 - 7  | 100%   | \$0  | \$4  | ΨΟ  | \$0 \$0<br>\$0 \$0  |  |
| 3.1a Technical Support (2005) 3.2a Subcontractor Technical Support   | \$123,457<br>\$22,500                                       | 49%<br>100%                          | \$60,652<br>\$22,500  | \$0<br>\$0<br>\$0                             | \$0<br>\$0<br>\$0                             | \$0<br>\$0  | \$8,547<br>\$0                                | \$10,717<br>\$0                                       | \$932<br>\$0                                    | \$0  | \$8,536                                    |   | \$4,787                                     | \$10,142<br>\$1,762                               |                                      | \$8,369                                    | \$53,483<br>\$12,510  | 88%<br>56%                                   | 88%<br>56%                          | \$7,169<br>\$9,990                               | \$60,652<br>\$22,500   | \$1,700<br>\$9,990                            | \$0 \$0<br>\$0 \$0   | ) \$1,70<br>) \$9,99  | 0 \$55,183<br>0 \$22,500   | 91%<br>100%  | \$0<br>\$0                                 | \$5,469<br>\$0   | \$0<br>\$0                                    | \$0 \$0<br>\$0 \$0  | Funding reserved for W. Lick Sedflume Analyses Funding for expected Brownawell invoicing                   |
| WO 03 - Technical Support Subtotal WAD 4 - Project Administration Total  |   | 63%<br>105%                          | \$118,234<br>\$1,637,803                                    | \$0<br>\$96,031                               | \$0<br><b>\$94,601</b>                        | \$0<br><b>\$100,852</b>                               | \$8,547<br><b>\$86,291</b>                    | \$10,717<br><b>\$105,057</b>                          | \$932<br><b>\$117,546</b>                       | \$0<br>\$107,474                           | \$8,536<br><b>\$151,233</b>                | \$0<br><b>\$90,740</b>                      | \$4,787<br><b>\$43,264</b>                  | \$11,904<br>\$52,245                              | \$0<br>\$23,156                      | \$8,369<br><b>\$202,398</b>                | \$101,076<br><b>\$1,617,535</b>                               | 85%<br>99%                                   | 85%<br><b>96%</b>                   | \$17,158<br><b>\$75,392</b>                      | \$118,234<br>\$1,692,927                                       | 1 ,   | \$0 \$0<br>\$4,470 \$0                                       | ) \$11,6<br>) \$69,8  | φ11=,700   | 95%<br>103%  | \$0<br><b>\$0</b>                          | \$5,468<br>- <b>\$49,622</b>                                       | \$1<br>\$55,209                               | \$0 \$0<br>\$0 \$0  |  |
| WAD 5 - Technical Studies & Investigations  WO 01 - RI/FS Work Plan Preparation  1.4b. Draft Final Modeling Plan   | \$48,923  | 100%                                 | \$48,923  | \$11,857                                      | \$905   | \$2,160   | \$4,974                                       | \$0   | \$0   |  | \$622                                      |   |   |   |                                      | \$43,450                                   | \$41,287  | 84%  | 84%                                 | \$7,636  | \$48,923   | \$7,636                                       | \$0 \$0  | \$7,63  | 6 \$48,923   | 100%   | \$0  | \$0  | \$0   | \$0 \$0   |  |
| 1.4c. RTC/Final Modeling Plan 1.5d. FSP Volume 2 (Biota): Pre-Draft (2005) 1.5e. FSP Volume 2 (Biota): Draft (2005) 1.5f. FSP Volume 2 (Biota): Final (2006) 1.5g Revisions to FSP 3 Geophysical Program (2005)  | \$31,461<br>\$52,958<br>\$79,998<br>\$27,079                | 100%<br>44%<br>100%<br>0%            | \$31,461<br>\$23,458<br>\$79,998<br>\$0<br>\$3,489          | \$0<br>\$0<br>\$0<br>\$0                      | \$658<br>\$0<br>\$0<br>\$0                    | \$785<br>\$0<br>\$0<br>\$0                            | \$3,316<br>\$0<br>\$0<br>\$0                  | \$304<br>\$3,750<br>\$0<br>\$0                        | \$0<br>\$19,199<br>\$0<br>\$0                   | \$3 440                                    |  | \$587                                       |   | \$939   | \$2,034<br>\$6,093                   | \$7,560<br>\$320                           | \$41,287<br>\$13,322<br>\$22,949<br>\$6,093<br>\$0<br>\$3,440 | 42%<br>98%<br>8%<br>0%                       | 42%<br>100%<br>8%<br>0%             | \$18,139<br>\$509<br>\$73,905<br>\$0<br>\$49     | \$48,923<br>\$31,461<br>\$23,458<br>\$79,998<br>\$0<br>\$3,489 | \$18,139<br>\$0<br>\$15,000<br>\$0            | \$0 \$0<br>\$0 \$0<br>\$25,000 \$33,9<br>\$0 \$0             | ) \$18,1<br>) \$0<br>905 \$73,9<br>) \$0                    | \$22,949   | 100%<br>98%<br>100%<br>0%                                | \$0<br>\$0<br>\$0<br>\$0<br>\$0            | \$0<br>\$509<br>\$0<br>\$0<br>\$49                                 | \$0<br>\$0<br>\$0<br>\$0                      | \$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0   |  |
| WO 01 - RI/FS Work Plan Preparation Subtotal WO 02 - Preliminary Risk Assessment 2.2b. Conceptual Site Model/Problem Formulation 2.2c. Develop Weight of Evidence Approach for Eco Risk Assessment   | \$121,953<br>\$27,437                                       | 100%<br>100%                         | \$1,012,189<br>\$121,953<br>\$27,437<br>\$225,328           | \$0<br>\$0                                    | \$24,176<br>\$0<br>\$0<br>\$27,377            | \$922<br>\$654  | \$68,560<br>\$3,912<br>\$164<br>\$4,076       | \$0<br>\$0  | \$15,787<br>\$0                                 | φ5,110                                     | \$50,496<br>\$1,007                        | \$21,999<br>\$18,154                        | \$6,348                                     | \$939<br>\$9,014<br>\$9,014                       | \$7,612                              | \$358,778<br>\$12,419<br>\$79,504          | \$911,750<br>\$126,820<br>\$1,824<br>\$204.583                | 104%<br>7%                                   | 96%<br>100%<br>7%<br>88%            | \$0<br>\$25,613                                  | \$126,820<br>\$27,437  | \$0   | \$0 \$0<br>\$10,000 \$0                                      | ) \$0<br>) \$21,0   | \$1,011,430<br>\$1,011,430<br>\$126,820<br>00 \$22,824<br>00 \$225,583 | 104%<br>83%  | \$0<br>\$0<br>\$0<br>\$0                   | \$759<br>-\$4,867<br>\$4,613                                       | \$2<br>\$4,867<br>\$0<br>\$4,868              | \$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0   | Tech memo review required add'l effort WVN to Battelle to initiate DQOs for FSP 2                          |
| WO 03 - Work Plan Implementation for 2004 - 2005 Sampling Event 3.1a Equipment Management, Mobilization, Demobilization  | \$36,317<br>\$4,078   | 192%                                 | \$69,620  | \$13,341<br>\$48                              | \$11,696<br>\$860                             | \$0<br>\$1,649  | \$0   | \$116   | \$0   | \$665                                      | Ψ31,302                                    | Ψ10,13Ψ                                     | ψ0,340                                      | Ψ2,017  | Ψ7,012                               | \$6,097                                    | \$69,620<br>\$4,037   | 100%   | 100%                                | \$0<br>\$41                                      | \$69,620<br>\$4,078  | \$0   | \$0 \$0  | ) \$0   | \$69,620<br>\$4,037  | 100%   | \$0  | \$0  | \$0   | \$0 \$0   |  |
| 3.1b Health and Safety Activities 3.2a Technical Coordination and Field Support 3.2b Sample Collection and Sample Management 3.3a Field Investigation Expenses 3.3b Travel Expenses (2005)   | \$40,207<br>\$118,198<br>\$850,058<br>\$15,616              | 187%<br>91%<br>66%<br>100%           | \$75,094<br>\$107,395<br>\$558,676<br>\$15,616              | \$11,953<br>\$2,632<br>\$5,311<br>\$0         | \$12,460<br>\$7,165<br>\$7,194<br>\$0         | \$2,928<br>\$3,557<br>\$54,286<br>\$0                 | \$3,020<br>\$3,725<br>\$84,459<br>\$0         | \$19,749<br>\$6,597<br>\$131,353<br>\$0               | \$7,938<br>\$20,047<br>\$79,486<br>\$2,024      | \$5,295<br>\$26,361<br>\$84,836<br>\$7,327 | \$5,479<br>\$15,369<br>\$6,265             | \$14,523                                    | \$7,189                                     | \$8,304   | \$7,000<br>\$1,160<br>\$3,819        | \$17,204<br>\$28,363<br>\$148,863<br>\$922 | \$74,792<br>\$107,163<br>\$554,471<br>\$15,616                | 100%<br>100%<br>99%<br>100%                  | 100%<br>100%<br>100%<br>99%<br>100% | \$0<br>\$0<br>\$0<br>\$4,205<br>\$0              | \$74,792<br>\$107,163<br>\$558,676<br>\$15,616                 | \$0<br>\$0<br>\$0<br>\$12,000<br>\$0          | \$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0                     | \$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$12,0<br>\$0            | \$74,792<br>\$107,163<br>00 \$566,471<br>\$15,616                      | 100%<br>100%<br>101%<br>100%                             | \$0<br>\$0<br>\$0<br>\$0<br>\$0            | \$302<br>\$232<br>-\$7,795<br>\$0                                  | \$0<br>\$0<br>\$7,795<br>\$0                  | \$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0   | Field facility lease/utilities not all March charges hit BSF.  |
| 3.3c Coring Subcontracts and Divers 3.4a Field Data QC Review (2005) 3.4b Travel Expenses 3.4c QA Coordinator WO 03 - Work Plan Implementation for 2004 -2005 Sampling Event   | \$265,400<br>\$8,331<br>\$4,092<br>\$68,957<br>\$1,411,254  | 68%<br>100%<br>100%<br>19%<br>73%    | \$179,619<br>\$8,331<br>\$4,092<br>\$12,985<br>\$1,035,506  | \$0<br>\$0<br>\$43<br>\$0<br>\$33,327         | \$0<br>\$0<br>\$1,616<br>\$0<br>\$40,991      | \$0<br>\$0<br>\$18<br>\$0<br>\$62,438                 | \$0<br>\$0<br>\$89<br>\$0<br>\$91,306         | \$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$157,815          | \$0<br>\$0<br>\$442<br>\$0<br>\$110,115         | \$130,947<br>\$0<br>\$255,431              | \$15,200<br>\$570<br>\$42,883              | \$14,523                                    | \$1,681<br>\$8,869                          | \$30,635<br>\$2,285<br>\$9,330<br>\$50,554        | \$2,701<br>\$14,680                  | \$202,095                                  | \$176,782<br>\$6,667<br>\$4,092<br>\$9,330<br>\$1,022,570     | 98%<br>80%<br>100%<br>72%<br>99%             | 100%<br>48%<br>100%<br>72%<br>99%   | \$2,837<br>\$1,664<br>\$0<br>\$3,655<br>\$12,403 | \$179,619<br>\$8,331<br>\$4,092<br>\$12,985<br>\$1,034,972     | \$0<br>\$1,600<br>\$0<br>\$2,500<br>\$16,141  | \$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$1,000 \$0<br>\$1,000 \$0  | \$0<br>\$1,60<br>\$0<br>\$0<br>\$3,50<br>\$17,1             | \$4,092  | 98%<br>99%<br>100%<br>99%<br>100%                        | \$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0     | \$2,837<br>\$64<br>\$0<br>\$155<br>-\$4,164                        | \$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$7,796    | \$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0   | Low resolution coring subcontracted costs  |
| WO 04 - Implementation of FSP Activities (2005-2006)  4.1a Logistics and Mobilization (2005)  4.1b Equipment Manager (2005)  4.1c Health and Safety Administration (2005)  4.1d Sample Collection and Core Processing (2005)  4.1e CSO Sampling Oversight (2005) | \$45,273<br>\$21,158<br>\$8,806<br>\$3,153,787<br>\$4,636   | 105%<br>100%<br>50%<br>40%           | \$47,675<br>\$21,145<br>\$4,403<br>\$1,259,617<br>\$0       | \$10,988<br>\$0<br>\$0<br>\$0<br>\$0          | \$28,553<br>\$0<br>\$0<br>\$0<br>\$0          | \$0<br>\$0<br>\$0<br>\$0<br>\$0                       | \$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0        | \$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                | \$5<br>\$11,963<br>\$1,069<br>\$97,794<br>\$0   | \$9,182<br>\$784<br>\$236,942              | \$786<br>\$211,728                         | \$242<br>\$87,617                           | \$107,987                                   | \$112,129   | \$69,222                             | \$13,660<br>\$48,152                       | \$47,675<br>\$21,145<br>\$2,881<br>\$923,419<br>\$0           | 100%<br>100%<br>65%<br>73%<br>0%             | 100%<br>100%<br>65%<br>73%<br>0%    | \$0<br>\$0<br>\$1,522<br>\$336,198<br>\$0        | \$47,675<br>\$21,145<br>\$4,403<br>\$1,259,617<br>\$0          | \$0<br>\$0<br>\$0<br>\$0<br>\$200,000<br>\$0  | \$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$100,000 \$36,0<br>\$0 \$0 | ) \$0<br>) \$0<br>) \$0<br>) \$0<br>000 \$336,(             | \$47,675<br>\$21,145<br>\$2,881<br>00 \$1,259,419<br>\$0               | 100%<br>100%<br>65%<br>100%<br>0%                        | \$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$4,636 | \$0<br>\$0<br>\$1,522<br>\$198                                     | \$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$4,636    | \$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0                                |  |
| 4.2 Technical System and Health & Safety Audits (2005)   | \$18,705<br>\$3,252,365                                     | 39%<br>41%                           | \$7,353<br>\$1,340,193                                      | \$0<br>\$10,988                               | \$0<br>\$28,553                               | \$0<br>\$0  | \$0<br>\$0                                    | \$0<br>\$0  | \$3,144<br>\$113,975                            | \$246,909                                  | \$1,477<br>\$213,992                       | \$87,859                                    | \$107,987                                   | \$112,129   | \$69,222                             | \$61,812                                   | \$4,621<br>\$999,741  | 63%<br>75%                                   | 63%<br>74%                          | \$2,732<br>\$340,452                             | \$7,353<br>\$1,340,194   | \$2,732<br>\$202,732<br>\$                    | \$0 \$0<br>\$100,000 \$36,0                                  | \$2,73<br>000 \$338,7                                       | 2 \$7,353<br>32 \$1,338,473  | 100%   | \$0<br>\$4,636                             | \$0<br>\$1,720   | \$0<br>\$4,637                                | \$0 \$0<br>\$0 \$0  |  |
| 6.1a Hydrodynamic Technical Memorandum (2005) 6.1b Sediment Transport Technical Memorandum (2005) 6.1c Fate and Transport Technical Memorandum (2005) 6.1d Food Chain Technical Memorandum (2005)  | \$621,411<br>\$748,654<br>\$101,880<br>\$33,730             | 73%<br>29%<br>0%                     | \$454,141<br>\$218,865<br>\$0<br>\$0                        | \$0<br>\$0<br>\$0<br>\$0                      | \$39,737<br>\$13,898<br>\$0<br>\$0            | \$17,223<br>\$27,797<br>\$0<br>\$0                    | \$18,015<br>\$6,949<br>\$0<br>\$0             | \$74,065<br>\$20,847<br>\$0<br>\$0                    | \$51,634<br>\$35,443<br>\$0<br>\$0              | \$60,051<br>\$33,000                       | \$65,968<br>\$32,996                       | \$68,890<br>\$47,934                        | \$7,962<br>\$0                              | \$313<br>\$774                                    | \$3,052                              | \$323,573<br>\$215,421                     | \$406,911<br>\$219,639<br>\$0<br>\$0                          | 90%<br>100%<br>0%                            | 90%<br>100%<br>0%<br>0%             | \$47,230<br>\$0<br>\$0<br>\$0                    | \$454,141<br>\$219,639<br>\$0<br>\$0                           | \$46,000<br>\$0<br>\$0<br>\$0                 | \$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0                     | \$46,0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                   | 00 \$452,911<br>\$219,639<br>\$0<br>\$0                                | 100%<br>100%<br>0%<br>0%                                 | \$0<br>\$0<br>\$0<br>\$0                   | \$1,230<br>-\$774<br>\$0<br>\$0                                    | \$0<br>\$774<br>\$0<br>\$0                    | \$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0  | Work will halt following submittal of Calibration Report Costs for C. Jones Meeting addressed via WE above |
| WO 06 - Model Development, Calibration, and Application (2005-2007)  | \$1,505,675   | 0%                                   | \$673,006   | \$0   | \$53,635                                      | \$45,020  | \$24,964                                      | \$94,912  | \$87,077  | \$93,051                                   | \$98,964                                   | \$116,824                                   | \$7,962                                     | \$1,087   | \$3,052                              | \$538,994                                  | \$626,550   | 93%  | 93%                                 | \$47,230   | \$673,780  | \$46,000                                      | \$0 \$0  | \$46,0  | 900 \$672,550  | 100%   | \$0  | \$456  | \$774   | \$0 \$0   |  |
| WAD 5 - Technical Studies & Investigation Total WAD 6 - Data Management and Presentation   | \$7,497,487   | 57%                                  | \$4,286,222   | \$186,306                                     | \$174,733                                     | \$152,148   | \$188,905                                     | \$329,961   | \$358,075                                       | \$613,647                                  | \$408,174                                  | \$259,359                                   | \$131,166                                   | \$173,723   | \$102,694                            | \$1,241,183                                | \$3,765,194   | 88%  | 89%                                 | \$525,936  | \$4,291,331  | \$316,648 \$                                  | \$136,000 \$69,9   | 905 \$522,5   | \$4,287,706  | 100%   | \$4,636                                    | -\$1,484   | \$18,077                                      | \$0 \$0   |  |
| WO 01 - Map Guide  1.1 Map Guide  WO 01 - Map Guide Subtotal  WO 02 - Public Website  2.1 Maintenance and Support  | \$49,388<br>\$49,388<br>\$61,795                            | 100%<br>100%                         | \$49,388<br>\$49,388<br>\$54,338                            | \$0<br>\$0<br>\$4,880                         | \$0<br>\$0<br>\$2,988                         | \$0<br>\$0<br>\$2,825                                 | \$0<br>\$0<br>\$1,167                         | \$0<br>\$0<br>\$0                                     | \$0<br>\$1,833                                  | \$0<br>\$41                                | \$0<br>\$849                               | \$0<br>\$705                                | \$0<br>\$267                                | \$0   | \$0<br>\$880                         | \$6,320<br>\$6,320                         | \$49,388<br>\$49,388<br>\$48,921                              | 100% 100%                                    | 100%<br>100%                        | \$0<br>\$0<br>\$5,417                            | \$49,388<br>\$49,388<br>\$54,338                               | \$0<br>\$0<br>\$2,000                         | \$0 \$0<br>\$0 \$0<br>\$2,000 \$0                            | ) \$0<br>) \$0<br>) \$4.00                                  | \$49,388<br>\$49,388   | 100%<br>100%<br>97%                                      | \$0<br>\$0<br>\$0                          | \$0<br>\$0<br>\$1,417  | \$0<br>\$0<br>\$0                             | \$0 \$0<br>\$0 \$0<br>\$0 \$0   |  |
| WO 02 - Public Website Subtotal WO 03 - Private Website  3.1 Field Application Module Development 3.2 Website Reports 3.3 Management Website Reports   | \$61,795<br>\$41,455<br>\$48,294<br>\$9,883                 | 88%<br>110%<br>46%<br>120%           | \$54,338<br>\$45,412<br>\$22,001<br>\$11,883                | \$4,880<br>\$6,791<br>\$0<br>\$0              | \$2,988<br>\$1,583<br>\$0<br>\$0              | \$2,825<br>\$8,375<br>\$0<br>\$0                      | \$1,167<br>\$0<br>\$0<br>\$0                  | \$0<br>\$0<br>\$0<br>\$0                              | \$1,833<br>\$0<br>\$0<br>\$0                    | \$41                                       | \$9,277                                    | \$705<br>\$1,408                            | \$267                                       | \$0   | \$880                                | \$0  | \$48,921<br>\$45,411<br>\$20,192<br>\$3,273                   | 90%<br>100%<br>92%<br>28%                    | 90%<br>100%<br>92%<br>50%           | \$5,417<br>\$1<br>\$1,809<br>\$8,611             | \$54,338<br>\$45,412<br>\$22,001<br>\$11,883                   | \$2,000<br>\$0<br>\$1,809<br>\$1,500          | \$2,000 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0                 | \$4,00<br>\$0<br>\$1,80<br>\$1,50                           | \$45,411<br>9 \$22,001   | 97%<br>100%<br>100%<br>40%                               | \$0<br>\$0<br>\$0<br>\$0                   | \$1,417<br>\$1<br>\$0<br>\$7,111                                   | \$0<br>\$0<br>\$0<br>\$0<br>\$0               | \$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0  |  |
| 3.4 Maintenance and Support 3.4a. Export and Convert CARP Sed, Water, and Biota for PREmis (2005) WO 03 - Private Website Subtotal   | \$47,322<br>\$13,448<br>\$160,402                           | 216%<br>101%                         | \$102,312<br>\$13,602<br>\$195,210                          | \$1,203<br>\$0<br>\$7,994                     | \$1,110<br>\$2,824<br>\$5,517                 | \$18,813<br>\$10,778<br>\$37,966                      | \$736<br>\$0<br>\$736                         | \$11,813<br>\$0<br>\$11,813                           | \$5,005<br>\$0<br>\$5,005                       | \$30,892<br>\$30,892                       | \$11,844<br>\$21,121                       | \$8,557<br>\$9,965                          | \$2,589<br>\$2,589                          | \$3,634<br>\$3,634                                | \$2,435<br>\$5,708                   | \$13,448<br>\$13,448                       | \$99,581<br>\$13,602<br>\$182,059                             | 97%<br>100%<br>93%                           | 97%<br>100%<br>94%                  | \$2,731<br>\$0                                   | \$102,312<br>\$13,602<br>\$195,210                             | \$2,500<br>\$0<br>\$5,809                     | \$0 \$0<br>\$0 \$0<br>\$0 \$0                                | \$2,50<br>\$0<br>\$5,80                                     | 0 \$102,081<br>\$13,602<br>9 \$187,868                                 | 100%<br>100%<br>96%                                      | \$0<br>\$0<br>\$0                          | \$231<br>\$0<br>\$7,341  | \$0<br>\$0<br>\$1                             | \$0 \$0<br>\$0 \$0<br>\$0 \$0   |  |
| WO 04 - Database (update for MEDD fields)  WO 04 - Database Subtotal   |   |                                      |   |   | \$2,721                                       |   | \$2,530                                       |   |   |  | \$595                                      |   | \$0   |   | \$0                                  | \$0  | \$16,194  |  | 100%                                |  | \$16,194   |   |  | ) \$0   |  |  | \$0  | \$0  | \$0   | 7.  |  |
| WO 05 - Field Application  5.4 QA/QC  WO 05 - Field Application Subtotal   | \$71,592<br>\$266,115                                       | 89%<br>83%                           | \$63,592<br>\$220,227                                       | \$0<br>\$10,552                               | \$120<br>\$14,876                             | \$969<br>\$31,817                                     | \$1,926<br>\$13,903                           | \$245<br>\$9,319                                      | \$20,129<br>\$59,042                            | \$9,141<br>\$11,521                        | \$7,679<br>\$12,449                        | \$2,598<br>\$3,487                          | \$560<br>\$560                              | \$2,038<br>\$2,038                                | \$720<br>\$720                       | \$0  | \$55,399<br>\$212,033   | 87%<br>96%                                   | 87%<br>96%                          | \$8,193<br>\$8,193                               |  | . /   | 1 - 9 1 9 -  | 50 \$8,15<br>50 \$8,15                                      | 0 \$63,549<br>0 \$220,183  | 100%   | \$0<br>\$0                                 | \$43<br>\$44   | ΨΟ  | \$0 \$0<br>\$0 \$0  | Remaining funds needed to QC PREmis field data 2005-06   |
| WO 06 - Technical Task Communication 6.1 Technical Task Communication WO 06 - Technical Task Communication Subtotal WO 07 - Data Evaluation 7.1a Data Upload: 2004 - 2005 Hydrodynamic and Sediment Data   | \$33,859<br>\$33,859<br>\$6,692                             | 101%<br>101%<br>100%                 | \$34,361<br>\$34,361<br>\$6,692                             | \$3,926<br>\$3,926                            | \$3,581<br>\$3,581<br>\$0                     | \$1,962<br>\$1,962<br>\$1,399                         | \$3,559<br>\$3,559<br>\$1,493                 | \$2,350<br>\$2,350<br>\$1,958                         | \$3,727<br>\$3,727<br>\$0                       | \$3,426<br>\$3,426                         | \$1,421<br>\$1,421                         | \$0   | \$0   | \$0   | \$0                                  | \$0  | \$34,362<br>\$34,362<br>\$6,019                               | 100% 100%                                    | 100%<br>100%                        | \$2,400<br>\$2,400<br>\$0                        | \$34,361<br>\$34,361<br>\$6,019                                | \$0<br>\$0<br>\$0                             | \$0 \$0<br>\$0 \$0<br>\$0 \$0                                | ) \$0<br>) \$0  | \$34,362<br>\$34,362<br>\$6,019  | 100% 100%  | \$0<br>\$0<br>\$0                          | -\$1<br>-\$1   | \$1<br>\$1<br>\$0                             | \$0 \$0<br>\$0 \$0<br>\$0 \$0   |  |
| 7.2a Data Evaluation: 2004 - 2005 Hydrodynamic and Sediment Data 7.3 Preliminary Geochemical and Statistical Analysis (2005) 7.4 Data Validation (2005) 7.5a Evaluate Hydrodynamic/SW/Sediment Data (2005)   | \$43,739<br>\$305,822<br>\$92,560<br>\$128,746              | 100%<br>54%<br>100%<br>100%<br>100%  | \$23,739<br>\$305,822<br>\$92,560<br>\$128,746              | \$1,164<br>\$30,285<br>\$0<br>\$0             | \$0<br>\$10,740<br>\$0<br>\$0                 | \$388<br>\$10,157<br>\$0<br>\$0                       | \$1,539<br>\$9,593<br>\$1,034                 | \$1,938<br>\$277<br>\$36,857<br>\$0<br>\$0<br>\$2,992 | \$0<br>\$51,987<br>\$1,504<br>\$0               | \$842<br>\$6,942<br>\$0<br>\$998           | \$924<br>\$18,973<br>\$129<br>\$13,544     | \$1,903<br>\$33,494<br>\$10,321<br>\$13,474 | \$3,564<br>\$21,134<br>\$12,549<br>\$13,370 | \$0<br>\$49,395<br>\$5,335<br>\$36,172<br>\$1,252 | \$313<br>\$3,350<br>\$7,123          | \$44,624                                   | \$23,700<br>\$306,102<br>\$33,186<br>\$85,716                 | 100%<br>100%<br>36%<br>67%                   | 100%<br>100%<br>36%<br>67%          | \$0<br>\$0<br>\$59,374<br>\$43,030               | \$23,700<br>\$306,102<br>\$92,560<br>\$128,746                 | \$10,000                                      | \$0 \$0<br>\$0 \$0<br>\$20,000 \$19,0<br>\$20,000 \$13,0     | 000 \$43,0  | \$23,700<br>\$306,102<br>00 \$92,186<br>00 \$128,716                   | 100%<br>100%<br>100%<br>100%                             | \$0<br>\$0<br>\$0<br>\$0<br>\$0            | \$39<br>-\$280<br>\$374<br>\$30                                    | \$0<br>\$280<br>\$0<br>\$0                    | \$0 \$0<br>\$0 \$0<br>\$0 \$0<br>\$0 \$0  |  |
| 7.5b Draft Rnd 1 Data Gap/Data Eval. Report/Supplemental WP (2005) 7.5c Final Rnd 1 Data Gap/Data Eval. Report/Supplemental WP (2005-2006) WO 07 - Data Evaluation   | \$58,461<br>\$4,406<br>\$640,426                            | 73%<br>0%<br>94%                     | \$42,854<br>\$0<br>\$600,413                                | \$0<br>\$0<br>\$31,449                        | \$0<br>\$0<br>\$10,740                        | \$0<br>\$11,943                                       | \$13,658                                      | \$0   | \$546<br>\$0<br>\$54,037                        | \$11,458<br>\$20,240                       | \$4,100<br>\$37,671                        | \$3,330<br>\$62,521                         | \$1,400<br>\$52,017                         | \$1,252<br>\$92,153                               | \$1,071<br>\$11,856                  | \$44,624                                   | \$26,149<br>\$0<br>\$480,872                                  | 61%<br>0%<br>80%                             | 61%<br>0%<br>80%                    | \$16,705<br>\$4,406<br>\$123,515                 | \$42,854<br>\$4,406<br>\$604,387                               | \$0   | \$2,500 \$5,00<br>\$0 \$0<br>\$42,500 \$37,0                 | \$0   | \$0  | 82%<br>0%<br>99%   | \$7,000<br>\$0<br>\$7,000                  | \$7,705<br>\$0<br>\$8,541  | \$0<br>\$0<br>\$280                           | \$0 \$0<br>\$0 \$0<br>\$0 \$0   |  |
| WAD 6 - Data Management and Presentation Total WAD 7 - Feasibility Study   | \$1,246,237   | 94%                                  | \$1,170,131   | \$58,801                                      | \$40,423                                      | \$94,965  | \$35,554                                      | \$67,464  | \$123,645                                       | \$66,120                                   | \$74,106                                   | \$76,679                                    | \$55,432                                    | \$97,825  | \$19,164                             | \$64,392                                   | \$1,023,829   | 87%  | 88%                                 | \$152,675  | \$1,174,103  | \$42,809                                      | \$48,000 \$38,1  | 150 \$128,9   | \$1,152,788  | 99%  | \$7,000                                    | \$17,343   | \$282   | \$0 \$0   |  |
| WAD 7 - Feasibility Study  WO 01 - Preliminary Feasibility Study  1.1 Preliminary Feasibility Study (2005)  1.2 IRM Evaluation (2005-2006)  WO 01 - Preliminary Feasibility Study  | \$63,872<br>\$63,872  | 37%<br>416%                          | \$23,872<br>\$241,800<br>\$265,672                          | \$10,024<br>\$10,024                          | \$850<br>\$850                                | \$610<br>\$610  | \$134<br>\$134                                | \$268<br>\$268  | \$2,364<br>\$2,364                              | \$4,464<br>\$4,464                         | \$0<br>\$28,207<br>\$28,207                | \$18,702<br>\$18,702                        | \$6,840<br>\$6,840                          | \$34,057<br>\$34,057                              | \$27,292<br>\$27,292                 | \$320<br>\$320                             | \$27,661<br>\$115,098<br>\$142,759                            | 116%<br>NA<br>54%                            | 100%<br>48%<br>53%                  | \$0<br>\$122,913<br>\$122,913                    | \$27,661<br>\$238,011<br>\$265,672                             | \$0<br>\$30,000<br>\$30,000                   | \$0 \$0<br>\$50,000 \$42,5<br>\$50,000 \$42,5                |   | \$27,661<br>00 \$237,598<br>00 \$265,259                               | 116%<br>98%<br>100%                                      | \$0<br>\$0<br>\$0                          | -\$3,789<br>\$4,202<br>\$413                                       | \$3,789<br>\$0<br>\$3,789                     | \$0 \$0<br>\$0 \$0<br>\$0 \$0   | Overrun will be applied to existing funding in WE 1.2 below.   |
| WAD 7 - Feasibility Study Total  | \$63,872  | 416%                                 | \$265,672   | \$10,024                                      | \$850   | \$610   | \$134   | \$268   | \$2,364   | \$4,464                                    | \$28,207                                   | \$18,702                                    | \$6,840                                     | \$34,057  | \$27,292                             | \$320                                      | \$142,759   | 54%  | 53%                                 | \$122,913  | \$265,672  | \$30,000                                      | \$50,000 \$42,5  | 500 \$122,5   | \$265,259  | 100%   | \$0  | \$413  | \$3,789                                       | \$0 \$0   |  |
| WAD 8 - Fee  WAD 08 - Fee  WAD 8 - Project Fee Subtotal  | \$582,710<br><b>\$582,710</b>                               | 75%<br><b>75%</b>                    | \$434,552<br><b>\$434,552</b>                               | \$9,044<br><b>\$9,044</b>                     | \$11,047<br><b>\$11,047</b>                   | \$16,248<br><b>\$16,248</b>                           | \$16,046<br><b>\$16,046</b>                   | \$36,779<br><b>\$36,779</b>                           |   | \$56,385<br><b>\$56,385</b>                | \$21,457<br><b>\$21,457</b>                | \$0<br><b>\$0</b>                           | \$0<br><b>\$0</b>                           | \$0<br><b>\$0</b>                                 | \$0<br><b>\$0</b>                    | \$0  | \$281,361<br><b>\$281,361</b>                                 | 65%<br><b>65%</b>                            | NA<br>NA                            | \$153,191<br><b>\$153,191</b>                    | \$434,552<br><b>\$434,552</b>                                  |   | \$40,000 \$40,0<br><b>\$40,000 \$40,0</b>                    |   | 000 \$401,361<br>00 <b>\$401,361</b>                                   | 92%<br><b>92%</b>  | \$30,000<br><b>\$30,000</b>                | \$33,191<br><b>\$33,191</b>  | \$0<br><b>\$0</b>                             | \$0 \$0<br><b>\$0 \$0</b>   |  |
|  | \$11,225,719  |                                      |   |   |   | \$364,823   |   |   |   | \$848,091                                  | ·  | \$445,479                                   |   | \$357,849   | \$172,305                            | \$1,604,784                                | \$7,102,876   | 88%  |                                     |  |  |   |  |   | 61 \$8,066,737   |  | \$41,636                                   | \$381  |   | \$0 \$0   |  |
| Fee Claimed*  Blue font represents tasks that are completed.   |   |                                      |   |   |   |   |   |   |   |  |  |   |   |   |                                      | \$1,897,790                                |   | 85.53%                                       |                                     |  |  |   |  |   |  |  |  |  |   |   |  |

Blue font represents tasks that are completed.

\* The fee claimed does not incorporate subconsultant charges that have not yet been invoiced to the USACE.

1: For the purposes of this report, all WAD 3 expenses were added into this task.

<sup>&</sup>lt;sup>2</sup>: The estimate to complete for fee will always be greater than or equal to the actual fee to complete since this column assumes a fee percentage of 7%. However, if subconsultant costs are included in the labor and expenses estimate to complete, the fee on subs is 4.61%.

3: The additional funding columns represent monies that are needed for the next 3 months after the required date.